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Abstract : <p>This report gives the results of the tests conducted for CRE (Aircraft) Directorate of Aeronautics, DRDO, Bangalore, on a 1/20th scale model of an ejection seat in the 0.3M Trisonic Wind Tunnel of the National Aeronautical Labaoratory. These investigations conducted at Mach numbers between 0.8 and 2.0, were aimed at reducing the dynamic pressure acting on the ejection-seat using some devices that generate shock waves ahead of the ejection-seat. Wedges of different lengths mounted on the seat pan between the knees and also a seat with side screens were investigated. Detailed pressure measurements, oil flow visualisation and schlieren picture were obtained.</p> <p>The investigations indicated that concept of using shock wave generating wedge was effective in reducing the dynamic pressure on the ejection-seat to some extent.</p>		